

BILL WILLIAMS RIVER BASIN

09424410 BIG SANDY RIVER TRIBUTARY NEAR KINGMAN, AZ

LOCATION.--Lat 35°05'30", long 113°39'30", in NE¹/₄ sec.28, T.20 N., R.13 W., Mohave County, Hydrologic Unit 15030201, at U.S. Highway 93, 21 mi southeast of Kingman.

DRAINAGE AREA.--1.99 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1963	08-00-63	10	ES	1971	08-00-71	25	ES
1964	08-02-64	353		1972	09-19-72	210	
1965	08-29-65	100	ES	1973	08-00-73	220	
1966	07-30-66	10	ES	1974	00-00-74	0	
1967	12-06-66	5.0	LT	1975	11-02-74	10	ES
1968	08-04-68	1.0	ES	1976	02-09-76	7.0	ES
1969	07-18-69	5.0	ES	1977	00-00-77	25	LT
1970	08-00-70	30	ES	1978	03-01-78	25	ES

Magnitude and probability of instantaneous peak flow based on period of record 1963-78

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
18.6	80.2	173	394	672	1,090
Weighted skew	(logs) =	0.03			
Mean	(logs) =	1.27			
Standard dev.	(logs) =	0.75			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
214	4.3	3,700	60.0	3.0	12.0	1.5	3.7

